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Title of the Invention :

(A1) ELECTRO-OPTICAL LIQUID CRYSTAL SWITCH ELEMENT.

Other Title :

(A1) ELEMENT DE CIRCUIT ELECTRO-OPTIQUE A CRISTAUX LIQUIDES.

(A1) ELEKTROOPTISCHES FLÜSSIGKRISTALLSCHALTELEMENT.

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Abstract of the Invention :

(US5841499)

An electro-optical display device comprising a liquid crystal layer achieves switching using an electric field component which is predominantly parallel to the surface of the liquid crystal layer. Low dependence of image contrast on viewing angle is achieved by selection of parameters including pretilt angle α_0 , orientation angle β_0 , etc. of the liquid crystal molecules in the layer. Reflection mode devices are described.